

**IN THE CLAIMS:**

1-131. (canceled).

132. (previously presented). A method for inducing myelination of a neural cell by a glial cell, said method comprising contacting said glial cell with an amount of a polypeptide which comprises an epidermal growth factor-like domain, wherein said epidermal growth factor-like domain comprises an amino acid sequence which is identical to an amino acid sequence encoded by a GGF/p185 erb B2 ligand gene, and wherein said amino acid sequence comprises an amino acid sequence encoded by a nucleic acid sequence selected from the group consisting of:

SEQ ID NO: 154 (EGFL1);

SEQ ID NO: 155 (EGFL2);

SEQ ID NO: 156 (EGFL3);

SEQ ID NO: 157 (EGFL4);

SEQ ID NO: 158 (EGFL5);

SEQ ID NO: 159 (EGFL6); and

amino acids 54-103 encoded by SEQ ID NO: 150.

133-135. (canceled).

136. (previously presented). A method for inducing myelination of a neural cell by a glial cell, said method comprising contacting said glial cell with an amount of a polypeptide which comprises an epidermal growth factor-like domain, wherein said epidermal growth factor-like domain comprises the amino acid sequence set forth in SEQ ID NO: 188.

137. (previously presented). A method for inducing myelination of a neural cell by a glial cell, said method comprising contacting said glial cell with an amount of a polypeptide which comprises an epidermal growth factor-like domain, wherein said epidermal growth factor-

like domain comprises the amino acid sequence set forth in SEQ ID NO: 189.

138. (canceled).

139. (previously presented). The method of claim 132, 136, 137 or 141, wherein said method further comprises contacting said cell with a polypeptide which binds the p185 erb B2 receptor.

140. (previously presented). The method of claim 132, 136, 137 or 141, wherein said polypeptide is a recombinant polypeptide with glial cell mitogenic activity.

141. (previously presented). A method for inducing myelination of a neural cell by a glial cell, said method comprising contacting said glial cell with an amount of a polypeptide which comprises an epidermal growth factor-like domain, wherein said epidermal growth factor-like domain comprises an amino acid sequence which is identical to an amino acid sequence encoded by a GGF/p185 erb B2 ligand gene, and wherein said amino acid sequence is selected from the group consisting of:

SEQ ID NO: 151;

SEQ ID NO: 152; and

amino acids 362-411 of SEQ ID NO: 170,

wherein said contacting with said polypeptide is sufficient to induce myelination of said neural cell by said glial cell.

142. (previously presented). The method of claim 141, wherein said amino acid sequence is SEQ ID NO: 151.

143. (previously presented). The method of claim 141, wherein said amino acid sequence is SEQ ID NO: 152.